

Bay Area Air Quality Management District

939 Ellis Street
San Francisco, CA 94109
(415) 771-6000

Final

MAJOR FACILITY REVIEW PERMIT

Issued To:

**Pacific Gas & Electric Co., Contra Costa Power Plant
Facility #A0018**

Facility Address:

3201 Wilbur Avenue
Antioch, CA 94509

Mailing Address:

P.O. Box 249
Antioch, CA 94509

Primary Responsible Official

Randal S. Livingston
Manager, Steam Generation
(415) 973-6950

Secondary Responsible Official

Mark A. Gouveia
Plant Manager - Delta Power Plants
(925) 427-3510

Facility Contact

Mae Go
Environmental Coordinator
(925) 779-6541

Type of Facility: Electric Generation

Primary SIC: 4911

Product: Electricity

BAAQMD Permit Division Contact:

Weyman Lee

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Ellen Garvey, Executive Officer/Air Pollution Control Officer

Date

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I. STANDARD CONDITIONS

A. Administrative Requirements

The permit holder shall comply with all applicable requirements in the following regulations:

BAAQMD Regulation 1 - General Provisions and Definitions

(as amended by the District Board on 11/3/93);

SIP Regulation 1 - General Provisions and Definitions

(as approved by EPA through 11/10/82);

BAAQMD Regulation 2, Rule 1 - Permits, General Requirements

(as amended by the District Board on 6/7/95);

SIP Regulation 2, Rule 1 - Permits, General Requirements

(as approved by EPA through 6/23/95);

BAAQMD Regulation 2, Rule 2 - Permits, New Source Review

(as amended by the District Board on 6/7/95);

SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration

(as approved by EPA through 10/19/84); and

BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking

(as amended by the District Board on 6/15/94).

B. Conditions to Implement Regulation 2, Rule 6, Major Facility Review

1. This Major Facility Review Permit expires on September 14, 2003. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than March 14, 2003 and no earlier than September 14, 2002. **If a complete application for renewal has not been submitted in accordance with these deadlines, the facility may not operate after September 14, 2003** (Regulation 2-6-307, 404.2, & 409.6; MOP Volume II, Part 3, §4.2)
2. The permit holder shall comply with all conditions of this permit. The permit consists of this document and all appendices. Any non-compliance with the terms and conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, §4.11)
3. In the event any enforcement action is brought as a result of a violation of any term or condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with such term or condition shall not be a defense to such enforcement action. (MOP Volume II, Part 3, §4.11)
4. This permit may be modified, revoked, reopened and reissued, or terminated for cause. (Regulation 2-6-307, 409.8, 415; MOP Volume II, Part 3, §4.11)
5. The filing of a request by the facility for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated non-compliance does not stay the applicability of any permit condition. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)

I. Standard Conditions (continued)

6. This permit does not convey any property rights of any sort, nor any exclusive privilege. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
7. The permit holder shall supply within 30 days any information that the District requests in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. (Regulation 1-441, Regulation 2-6-409.4 & 501; MOP Volume II, Part 3, §4.11)
8. Any records required to be maintained pursuant to this permit which the permittee considers to contain proprietary or trade secret information shall be prominently designated as such. Copies of any such proprietary or trade secret information which are provided to the District shall be maintained by the District in a locked confidential file, provided, however, that requests from the public for the review of any such information shall be handled in accordance with the District's procedures set forth in Section 11 of the District Administrative Code. (Regulation 2-6-419; MOP Volume II, Part 3, §4.11)
9. Proprietary or trade secret information provided to EPA will be subject to the requirements of 40 CFR Part 2, Subpart B - Public Information, Confidentiality of Business Information. (40 CFR Part 2)
10. The emissions inventory submitted with the application for this Major Facility Review Permit is an estimate of actual emissions for the time period stated and is included only as one means of determining applicable requirements for emission sources. It does not establish, or constitute a basis for establishing, any new emission limitations. (MOP Volume II, Part 3, §4.11)

C. Requirement to Pay Fees

The permit holder shall pay annual fees in accordance with District Regulation 3, including Schedule P. (Regulation 2-6-402 & 409.13, Regulation 3; MOP Volume II, Part 3, §4.12)

D. Inspection and Entry

Access to Facility: The permit holder shall provide reasonable access to the facility and equipment which is subject to this permit to the APCO and/or to his or her designee. (Regulation 1-440, Regulation 2-6-409.3; MOP Volume II, Part 3, §4.14)

E. Records

Notwithstanding the specific wording in any requirement, all records for federally enforceable requirements shall be maintained for at least five years from the date of entry. (Regulation 2-6-501, Regulation 3; MOP Volume II, Part 3, §4.7)

F. Monitoring Reports

All required monitoring reports must be submitted to the District at least once every six months, except where an applicable requirement specifies more frequent reporting. All instances of non-compliance shall be clearly identified in these reports. The reports shall be certified by the responsible official as true, accurate, and complete. In addition, all instances of non-compliance with the permit shall be reported in writing to the District's Compliance and Enforcement Division within 10 calendar days of the discovery of the incident. Within 30 calendar days of the discovery of any incident of non-compliance,

I. Standard Conditions (continued)

the facility shall submit a written report including the probable cause of non-compliance and any corrective or preventative actions. The reports shall be sent to the following address:

Director of Compliance and Enforcement
Bay Area Air Quality Management District
939 Ellis Street
San Francisco, CA 94109
Attn: Title V Reports

(Regulation 2-6-502, Regulation 3; MOP Volume II, Part 3, §4.7)

G. Compliance Certification

Compliance certifications shall be submitted annually by the responsible official of this facility to the Bay Area Air Quality Management District and to the Environmental Protection Agency. The certification must list each applicable requirement, the compliance status, whether compliance was continuous or intermittent, the method used to determine compliance, and any other specific information required by the permit. The permit holder may satisfy this requirement through submittal of District-generated Compliance Certification forms. The certification should be directed to the District's Compliance and Enforcement Division at the address above, and a copy of the certification should be sent to the Environmental Protection Agency at the following address:

Director of the Air Division
U.S. EPA, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Attention: Air-3

(MOP Volume II, Part 3, §4.5 and 4.15)

H. Emergency Provisions

1. The permit holder may seek relief from enforcement action in the event of a breakdown, as defined by Regulation 1-208 of the District's Rules and Regulations, by following the procedures contained in Regulations 1-431 and 1-432. The District will thereafter determine whether breakdown relief will be granted in accordance with Regulation 1-433. (MOP Volume II, Part 3, §4.8)
2. The permit holder may seek relief from enforcement action for a violation of any of the terms and conditions of this permit caused by conditions beyond the permit holder's reasonable control by applying to the District's Hearing Board for a variance pursuant to Health and Safety Code Section 42350. The Hearing Board will determine after notice and hearing whether variance relief should be granted in accordance with the procedures and standards set forth in Health and Safety Code Section 42350 et seq. Any variance granted by the Hearing Board from any term or condition of this permit which lasts longer than 90 days will be subject to EPA approval. (MOP Volume II, Part 3, §4.8)

I. Standard Conditions (continued)

3. Notwithstanding the foregoing, the granting by the District of breakdown relief or the issuance by the Hearing Board of a variance will not provide relief from federal enforcement unless the Major Facility Review Permit has been modified pursuant to Regulation 2, Rule 6. (MOP Volume II, Part 3, §4.8)

I. Standard Conditions (continued)

I. Severability

1. In the event that any provision of this permit is invalidated by a court or tribunal of competent jurisdiction, or by the Administrator of the EPA, all remaining portions of the permit shall remain in full force and effect. (Regulation 2-6-409.5; MOP Volume II, Part 3, §4.10)

J. Conditions to Implement Regulation 2, Rule 7, Acid Rain

1. Every year starting January 30, 2000, the permit holder shall hold one sulfur dioxide allowance on January 30 for each ton of sulfur dioxide emitted during the preceding year from January 1 through December 31. (MOP Volume II, Part 3, §4.9)
2. The equipment installed for the continuous monitoring of CO₂ and NO_x shall be maintained and operated in accordance with 40 CFR Parts 72 and 75. (Regulation 2-7, Acid Rain)
3. A written Quality Assurance program must be established in accordance with 40 CFR Part 75, Appendix B for NO_x which includes, but is not limited to: procedures for daily calibration testing, quarterly linearity testing, recordkeeping and reporting implementation, and relative accuracy testing. (Regulation 2-7, Acid Rain)
4. The permit shall monitor SO₂ emissions in accordance with 40 CFR Part 72 and 75. (Regulation 2-7, Acid Rain)
5. The permit holder shall submit quarterly Electronic Data Reports (EDR) to EPA for Boilers S-9 and S-10. These reports must be submitted within 30 days following the end of each calendar quarter and shall include all information required in § 75.64. (40 CFR Part 75)

II. EQUIPMENT LIST

A. Permitted Source List

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2-1-302.

Table II-A

S-#	Description	Make or Type	Model	Design Capacity
S-9	Boiler No. 9, Electric Generation, with Fuel Oil Additive System, Gas and Oil Fired	Babcock & Wilcox		3,400 MMBTU/hr
S-10	Boiler No. 10, Electric Generation, with Fuel Oil Additive System, Gas and Oil Fired	Babcock & Wilcox		3,400 MMBTU/hr
S-20	Service Station, G# 6557		1 nozzle	
S-31	Cold Cleaner	Snap-On	YDM 32	30 gallons
S-32	Cold Cleaner	Snap-On	YDM 32	30 gallons
S-33	Maintenance Coating Operation			
S-34	Fixed Roof Oil Water Surge Tank	Pitt Des Moines		56,000 gallons
S-35	API Separator	Wemco	Model CFA-4	1000 gallons
S-37	Dissolved Air Flotation (DAF)			1000 gal/min
S-40	Wipe Cleaning, Facility-Wide	custom design		
S-100	Sand Blast Facility	Zero Manufacturing		

B. Abatement Device List

Table II-B

A-#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
A-100	Baghouse	S-100	Regulation 6-301		0.15 gr/dscf

III. GENERALLY APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP Rules and Regulations and other federal requirements cited below. These requirements apply in a general manner to the facility and/or to sources exempt from the requirement to obtain a District Permit to Operate. The District has determined that these requirements would not be violated under normal, routine operations, and that no additional periodic monitoring or reporting to demonstrate compliance is warranted. In cases where a requirement, in addition to being generally applicable, is also specifically applicable to one or more sources, the requirement and the source are also included in Section IV, Source-Specific Applicable Requirements, of this permit.

The dates in parenthesis in the Title column identify the versions of the regulations being cited and are, as applicable:

1. BAAQMD regulation(s):
The date(s) of adoption or most recent amendment of the regulation by the District Board
2. Any federal requirement, including a version of a District regulation that has been approved into the SIP:
The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

Where an applicable requirement is a SIP requirement, the full language of the SIP requirement is included in Appendix A of this permit.

NOTE:

There are differences between current BAAQMD rules and versions of the rules in the SIP. For specific information, contact the District's Planning and Research Division. All sources must comply with both versions of a rule until the U.S. EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

Table III

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 1	General Provisions and Definitions (11/3/93)	N
SIP Regulation 1	General Provisions and Definitions (11/10/82)	Y
BAAQMD Regulation 4	Air Pollution Episode Plan (3/20/91)	N
SIP Regulation 4	Air Pollution Episode Plan (8/06/90)	Y
BAAQMD Regulation 5	Open Burning (11/2/94)	N
SIP Regulation 5	Open Burning (5/3/84)	Y

III. Generally Applicable Emission Requirements (continued)

Table III (continued)

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)	N
SIP Regulation 6	Particulate Matter and Visible Emissions (5/3/84)	Y
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (12/20/95)	Y
BAAQMD Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (12/20/95)	N
BAAQMD Regulation 9, Rule 1	Sulfur Dioxide	Y
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (12/4/91)	Y
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	N
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (9/2/81)	Y
AB 2588	California Assembly Bill 2588 Toxics "Hot Spots"	N
40 CFR Part 61, Subpart M	National Emission Standards Hazardous Air Pollutants, Asbestos	Y

IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP Rules and Regulations and other federal requirements cited below. The requirements cited in the following tables apply in a specific manner to the indicated source(s).

The dates in parenthesis in the Title column identify the versions of the regulations being cited and are, as applicable:

1. BAAQMD regulation(s):
 The date(s) of adoption or most recent amendment of the regulation by the District Board
2. Any federal requirement, including a version of a District regulation that has been approved into the SIP:
 The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

The full text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. Additionally, where an applicable requirement is a SIP requirement, the full language of the SIP requirement is included in Appendix A of this permit. All other text may be found in the regulations themselves.

Table IV-A
S-9, Utility Boiler No. 9
S-10, Utility Boiler No. 10

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	General Provisions and Definitions (11/3/93)		
1-520.1	Steam Generators Rated 250 MMBTU or More Per Hour	Y	
1-522	Continuous Emission Monitoring and Record Keeping Procedures	Y	
SIP Regulation 1	General Provisions and Definitions (11/10/82)		
1-522	Continuous Emission Monitoring and Record Keeping Procedures	Y ¹	
1-541	Emission Excesses	Y ¹	
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)		
6-301	Ringelmann No. 1 Limitation	N	
6-302	Opacity Limitation	Y	
6-304	Tube Cleaning	Y	
6-305	Visible Particulates	Y	

IV. Source-Specific Applicable Requirements (continued)

Table IV-A (continued)
S-9, Utility Boiler No. 9
S-10, Utility Boiler No. 10

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
6-310	Particulate Weight Limitation	Y	
6-310.3	Particulate Weight Limitation, Heat Transfer Operation	Y	
6-401	Appearance of Emissions	Y	
6-501	Sampling Facilities and Instruments Required	Y	
6-502	Data, Records and Reporting	Y	
SIP Regulation 6	Particulate Matter and Visible Emissions		
6-301	Ringelmann No. 1 Limitation (9/5/79)	Y ¹	
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants, Sulfur Dioxide (3/15/95)		
9-1-301	Limitations on Ground Level Concentrations	N	
9-1-302	General Emission limitations	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
SIP 9, Rule 1	Inorganic Gaseous Pollutants, Sulfur Dioxide (5/3/84)		
9-1-301	Limitations on Ground Level Concentrations	Y	
BAAQMD Regulation 9, Rule 3	Inorganic Gaseous Pollutants, Nitrogen Oxides From Heat Transfer Operations (3/17/82)		
9-3-301	Existing Heat Transfer Operation Limits	N	
9-3-302	Different Fuels in Existing Heat Transfer Operations	N	
BAAQMD Regulation 9, Rule 11	Inorganic Gaseous Pollutants, Nitrogen Oxides and Carbon Monoxide From Utility Electric Power Generating Boilers (11/15/95)		
9-11-111	Exemption, Startup or Shutdown	Y	
9-11-112	Exemption, Oil Testing	Y	
9-11-302	Interim Compliance NOx Emission Limits for Boilers with a Rated Heat Input Capacity Greater Than or Equal to 1.75 billion BTU/hour	Y	
9-11-302.1	NOX limits, limitation on non-gaseous fuel firing	Y	
9-11-308	System-wide NOx Emission Rate Limit	Y	
9-11-309	Advanced Technology Alternative Emission Control Plan	N	

IV. Source-Specific Applicable Requirements (continued)

Table IV-A (continued)
S-9, Utility Boiler No. 9
S-10, Utility Boiler No. 10

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
9-11-309.1	System-wide NOx Emission Rate Limits: 0.160 lb/MMBTU	N	
9-11-309.1	System-wide NOx Emission Rate Limits: 0.115 lb/MMBTU	N	1/1/99
9-11-309.1	System-wide NOx Emission Rate Limits: 0.105 lb/MMBTU	N	1/1/00
9-11-309.1	System-wide NOx Emission Rate Limits: 0.057 lb/MMBTU	N	1/1/02
9-11-309.1	System-wide NOx Emission Rate Limits: 0.037 lb/MMBTU	N	1/1/04
9-11-309.1	System-wide NOx Emission Rate Limits: 0.018 lb/MMBTU	N	1/1/06
9-11-309.2	Boilers in Startup or Shutdown; Boilers Taken Out of Service; Boilers on Force Majeure Natural Gas Curtailment; and Oil Testing	N	
9-11-310	CO Emission Limits for Boilers with a Rated Heat Input Capacity Greater Than or Equal to 250 million BTU/hour	Y	
9-11-311	Ammonia Emission Limit for Boilers with a Rated Heat Input Capacity Greater Than or Equal to 250 million BTU/hour	Y	Upon installment of an applicable control device
9-11-401	Compliance Schedule - Emissions Limits	Y	
9-11-402	Initial and Annual Demonstration of Compliance	Y	
9-11-501	Fuels Monitoring	Y	
9-11-502	Modified Maximum Heat Input Capacity	Y	Upon physical modification affecting max. heat input
9-11-503	Emissions Monitoring	Y	
9-11-504	Records	Y	
9-11-505	Reporting Requirements	Y	
BAAQMD Regulation 11, Rule 1	Hazardous Pollutants, Lead (3/17/82)		
11-1-301	Daily Limitation	Y	
11-1-302	Ground level Concentration Limit Without Background	Y	

IV. Source-Specific Applicable Requirements (continued)

Table IV-A (continued)
S-9, Utility Boiler No. 9
S-10, Utility Boiler No. 10

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Manual of Procedures, Volume V	Continuous Emission Monitoring Policy and Procedures (1/20/82)	Y	
40 CFR Part 72	Title IV – Acid Rain Program	Y	
40 CFR Part 75	Code of Federal Regulations, Continuous Emissions Monitoring	Y	
BAAQMD Condition #672	Permit Conditions		
Condition 1a	Fuel Additive Required When Burning Fuel Oil and Nuisance (basis: BAAQMD 1-301)	N	
Condition 1b	Excessive Visible Emissions When Burning Fuel Oil (basis: BAAQMD 6-301)	Y	
Condition 2	Installation and maintenance of cold-end preheater baskets (basis: BAAQMD 1-301)	N	
Condition 3	Requirements for Burning Fuel Oil (basis: BAAQMD 1-301, 6-305)	N	
Condition 4	Record Keeping When Burning Oil (basis: cumulative increase)	Y	
Condition 5	Boiler Cleaning and Inspection Requirements (basis: cumulative increase)	Y	

- 1 This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

IV. Source-Specific Applicable Requirements (continued)

Table IV-B
S-20, Service Station G#6557

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 7	Organic Compounds, Gasoline Dispensing Facilities (3/4/87)		
8-7-113	Exemption, Tank Gauging and Inspection	Y	
8-7-301	Phase I Requirements	Y	
8-7-302	Phase II Requirements	Y	
8-7-303	Topping Off	Y	
8-7-304	Certification Requirements	Y	
8-7-306	Prohibition of Use	Y	
8-7-308	Operating Practices	Y	
8-7-309	Phase I Requirements	Y	
8-7-310	Phase II Requirements	Y	
8-7-401	Equipment Installation and Modifications	Y	

Table IV-C
S-31, Cold Cleaner
S-32, Cold Cleaner

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 16	Organic Compounds - Solvent Cleaning Operations		
8-16-303	Cold Cleaner Requirements	Y	
8-16-501	Solvent Records	Y	
8-16-501.1	Trichloroethylene Records	Y	
8-16-501.2	All Other Solvents Records	Y	

IV. Source-Specific Applicable Requirements (continued)

Table IV-D
S-33, Maintenance Coating Operation

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 3	Organic Compounds, Architectural Coatings (12/20/95)		
8-3-302	Final Limits	Y	
8-3-304	Specialty Coating Limitations	Y	
8-3-306	Exempt Coating Labeling	Y	
8-3-401	Date of Manufacture	Y	
8-3-403	Labeling Requirement	Y	
BAAQMD Regulation 8, Rule 19	Organic Compounds - Surface Coating of Miscellaneous Metal Parts and Products (12/20/95)		
8-19-110	Exemption - Low Usage Coatings	Y	
8-19-112	Exemption - Touch Up	Y	
8-19-113	Exemption - Specific Operations	Y	
8-19-117	Exemption - Stencil Coating	Y	
8-19-133	Exemption - Spray Application Equipment	Y	
8-19-136	Limited Exemption - Specialty Coatings	Y	
8-19-302	VOC Limits	Y	
8-19-307	Prohibition of Specification	Y	
8-19-312	Specialty Coating Limitations	Y	
8-19-313	Spray Application Equipment Limitations	Y	
8-19-320	Solvent Evaporative Loss Minimization	Y	
8-19-405	Low Usage Coating Petition	Y	
8-19-407	Specialty Coating Petition	Y	
8-19-501	Records	Y	
BAAQMD Condition #8854	Permit Conditions		
Condition 1	Net Annual Coating Usage Limit (basis: cumulative increase)	N	
Condition 2	Net Annual General Solvent Limit (basis: cumulative increase)	N	
Condition 3	Record Keeping Provisions for Adding Components To Coatings (basis: BAAQMD Regulation 8-19-501.2)	Y	

IV. Source-Specific Applicable Requirements (continued)

Table IV-E
S-34, Fixed Roof Oil Water Surge Tank

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 8	Organic Compounds – Wastewater (Oil-Water) Separators		
8-8-112	Exemption, Wastewater Critical OC Concentration And/Or Temperature	Y	
8-8-113	Exemption, Secondary Wastewater Treatment Processes and Stormwater Sewer Systems	Y	
8-8-305	Oil-Water Separator And/Or Air Flotation Unit Slop Oil Vessels	Y	
8-8-502	Wastewater Critical OC Concentration And/Or Temperature Records		
8-8-503	Inspection and Repair Records	Y	
BAAQMD Condition #7938	Permit Conditions		
Condition 1	Wastewater Throughput Limit (basis: cumulative increase)	N	
Condition 2	Combined Wastewater and Storm Water Limit (basis: cumulative increase)	N	
Condition 3	Record Keeping Requirements (basis: cumulative increase)	N	

Table IV-F
S-35, API Separator

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 8	Organic Compounds – Wastewater (Oil-Water) Separators		
8-8-112	Exemption, Wastewater Critical OC Concentration And/Or Temperature	Y	
8-8-113	Exemption, Secondary Wastewater Treatment Processes and Stormwater Sewer Systems	Y	
8-8-305	Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels	Y	
8-8-501	API Separator or Air Flotation Bypassed Wastewater Records	Y	
8-8-503	Inspection and Repair Records	Y	

IV. Source-Specific Applicable Requirements (continued)

Table IV-F (continued)
S-35, API Separator

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Condition #7938	Permit Conditions		
Condition 1	Wastewater Throughput Limit (basis: cumulative increase)	N	
Condition 2	Combined Wastewater and Storm Water Throughput Limit (basis: cumulative increase)	N	
Condition 3	Record Keeping Requirements (basis: cumulative increase)	N	

Table IV-G
S-37, Dissolved Air Flotation

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 8	Organic Compounds – Wastewater (Oil-Water) Separators		
8-8-112	Exemption, Wastewater Critical OC Concentration and/or Temperature	Y	
8-8-113	Exemption, Secondary Wastewater Treatment Processes and Stormwater Sewer Systems	Y	
8-8-303	Gauging and Sampling Devices	Y	
8-8-305	Oil-Water Separator and/or Air Flotation Unit Slop Oil Vessels	Y	
8-8-501	API Separator or Air Flotation Bypassed Wastewater Records	Y	
8-8-503	Inspection and Repair Records	Y	
BAAQMD Condition #7938	Permit Conditions		
Condition 1	Wastewater Throughput Limit (basis: cumulative increase)	N	
Condition 2	Combined Wastewater and Storm Water Throughput Limit (basis: cumulative increase)	N	
Condition 3	Record Keeping Requirements (basis: cumulative increase)	N	

IV. Source-Specific Applicable Requirements (continued)

Table IV-H
S-40, Wipe Cleaning, Facility-Wide

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 16	Organic Compounds - Solvent Cleaning Operations		
8-16-111	Exemption, Wipe Cleaning	Y	
8-16-304	Trichloroethylene Limitation	Y	
8-16-501	Solvent Records	Y	
8-16-501.1	Trichloroethylene Records	Y	
8-16-501.2	All Other Solvents Records	Y	
BAAQMD Condition #8855	Permit Conditions		
Condition 1	Net Annual General Solvent Usage Limit (basis: cumulative increase)	Y	
Condition 2	Net Annual 1,1,1-Trichloroethane Usage Limit (basis: cumulative increase)	N	
Condition 3	Record Keeping Requirements (basis: BAAQMD Regulation 8-16-501)	Y	

IV. Source-Specific Applicable Requirements (continued)

Table IV-I
S-100, Sand Blast Facility

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
CA Title 17	State Provisions for Sandblasting	N	
BAAQMD Regulation 6	Particulate Matter and Visible Emissions (12/19/90)		
6-301	Ringelmann No. 1 Limitation	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	
SIP Regulation 6	Particulate Matter and Visible Emissions (6/16/83)		
6-301	Ringelmann No. 1 Limitation (9/5/79)	Y ¹	
BAAQMD Condition #15870			
Part 1	Requirement for Baghouse (Basis: BAAQMD Regulation 6-301, 6-310)	Y	
Part 2	Baghouse Inspections (Basis: BAAQMD Regulation 2-6-501)	Y	
Part 3	Recordkeeping (Basis: BAAQMD Regulation 2-6-501)	Y	

- 1 This section has been removed from BAAQMD Regulations because it has been superseded. Nevertheless, the source must comply with this regulation until US EPA has reviewed and approved (or disapproved) the District's revision of the regulation.

V. SCHEDULE OF COMPLIANCE

The permit holder shall continue to comply with all applicable requirements cited in this permit. The permit holder shall also comply with applicable requirements that become effective during the term of this permit.

VI. PERMIT CONDITIONS

Any condition that is preceded by an asterisk is not federally enforceable.

A. Source Specific Permit Conditions

Condition #672

For S-9, 10 [Boilers Nos. 9 & 10]

- *1a. A fuel additive shall be used when burning fuel oil. If the use of fuel oil with the additive causes any nuisance (as defined in Rule 1-301), PG&E shall take appropriate action to remedy the problem or switch to natural gas. [basis: BAAQMD Regulation 1-301)]
- 1b. If the use of fuel oil causes excessive visible emissions greater than 20% opacity, PG&E shall take appropriate action to remedy the problem or switch to natural gas. [basis: BAAQMD Regulation 6-301)]
- *2. Type 409 stainless steel cold-end air preheater baskets shall be installed and properly maintained in Boilers 9 and 10. [basis: BAAQMD 1-301]
- *3. When burning fuel oil, PG&E shall install and maintain the following [basis: BAAQMD 1-301]:
 - a. fuel oil-additive injection system
 - b. a steam air heater to maintain cold-end average temperatures above 195 degrees F during minimum load and at maximum load maintain cold-end average of at least 165 degrees F.
 - c. convective pass boiler lancing continuously
 - d. reverse lance air preheater continuously

VI. Permit Conditions (continued)

Condition #672

For S-9, 10 [Boilers Nos. 9 &10]

4. When burning fuel oil, PG&E shall maintain daily log of at least the following items: [basis: cumulative increase]
 - a. fuel oil sulfur content
 - b. amount of fuel burned
 - c. amount of fuel additive injected
 - d. type of fuel additive
5. During scheduled boiler overhauls, the fire box, gas recirculation duct, hopper, air heater wheel, windbox and stack shall be inspected and cleaned, if dirty, if fuel oil has been burned since the last inspection. [basis: cumulative increase]

Condition #8854

For S-33 [Maintenance Coating Operation]

1. Net annual coating usage at this source shall not exceed 1100 gallons in any consecutive 12 month period. [basis: cumulative increase]
2. Net annual solvent usage at this source shall not exceed 400 gallons in any consecutive 12 month period. [basis: cumulative increase]
3. The operator shall maintain a log of all materials used in this operation. The log shall contain the following information: [basis: Regulation 8-19-501]
 - a) quantities of each type of coating used with components and mix ratios listed if applicable,
 - b) substrate that each coating is applied to and the District Regulation that applies,
 - c) VOC content of each coating,
 - d) if a cleaning solvent is used log type and amount.

These records shall be kept on a daily basis on a District-approved log. These records shall be summarized on a monthly basis.

All records shall be retained for a period of five (5) years from the date of entry, and be made available to District Staff on request.

Condition #7938

VI. Permit Conditions (continued)

For S-34, 35, 37 [Oily Water Treatment System]

- *1. The total throughput of the wastewater that is normally being treated at sources S-34, S-35 and S-37 shall not exceed 32,000,000 gallons during any consecutive twelve month period. [basis: cumulative increase]
- *2. The combined throughput of storm water and wastewater that are being treated at sources S-34, S-35 and S-37 shall not exceed 90,000,000 gallons during any consecutive twelve month period. [basis: cumulative increase]
- *3. In order to demonstrate compliance with the conditions above, the owner/operator of sources S-34, S-35 and S-37 shall maintain the following records in a District-approved log. These records shall be kept on site and made available for District inspection for a period of at least five (5) years from the date on which a record is made. [basis: Regulation 8-8-501]
 - a. Daily total throughput of wastewater and storm water, summarized on a monthly basis.
 - b. Daily throughput of wastewater, as calculated using District-approved procedures, and summarized on a monthly basis.
 - c. Daily hours of operation, summarized on a monthly basis.
 - d. Identification of days on which it rains in sufficient quantities so as to contribute storm water to the throughput of these sources.

Condition #8855

For S-40 [Wipe Cleaning Operation]

- 1. Net annual solvent usage at this source shall not exceed 100 gallons in any consecutive 12-month period. [basis: cumulative increase]
- 2.* Net annual 1,1,1 Trichloroethane usage at this source shall not exceed 25 gallons in any consecutive 12-month period. [basis: cumulative increase]
- 3. The operator shall maintain a log of all materials used in this operation. The log shall contain the following information: [basis: Regulation 8-16-501]
 - a. Quantities of each type of solvent used at this source
 - b. Quantities of each type of solvent recovered for disposal or recycling
 - c. Net usage of each type of solvent

These records shall be kept on a monthly basis on a District approved log. These records shall be summarized on a quarterly basis.

All records shall be retained for a period of five (5) years from the date of entry, and be made available to District Staff on request.

Condition #15870

S-100, Sand Blast Facility

VI. Permit Conditions (continued)

1. All particulate matter emissions from S-100, Sand Blast Facility, shall be routed to baghouse, A-100, Baghouse (basis: Regulation 6-301 and 6-310)
2. The baghouse shall be inspected at a minimum of every five (5) days of operation to ensure proper operation. The following items shall be checked:
 - a. The baghouse exhaust shall be checked for evidence of particulate breakthrough. If breakthrough is evident from plume observations, or dust buildup near the stack outlet, the filter bags shall be checked for any tears, holes, abrasions, and scuffs, and replaced as needed.
 - b. All hoppers shall be discharged in a timely manner.
 - c. The shaker cleaning system shall be maintained and operated at sufficient intervals to ensure proper collection per the manufacturer's instructions. (basis: Regulation 2-6-501)
3. In order to demonstrate compliance with the above permit conditions, the following records shall be maintained in a District approved log. These records shall be kept on site and made available for District inspection for a period of at least five years from the date on which a record is made.
 - a. Records of all inspections and all maintenance work including bag replacement for the baghouse. Records of each inspection shall consist of a log containing the date of inspection and the initials of the personnel that inspects the baghouses. (basis: Regulation 2-6-501)

VII. APPLICABLE MISSION LIMITS & COMPLIANCE MONITORING REQUIREMENTS

This section has been included only to summarize the applicable emission limits contained in Section IV, Source-Specific Applicable Requirements, of this permit. The following tables show the relationship between each emission limit and the associated compliance monitoring provisions, if any. The monitoring frequency indicates whether periodic (P) or continuous (C) monitoring is required. For periodic monitoring, the frequency of the monitoring has also been shown, either annual (A), quarterly (Q), monthly (M), daily (D), or on an event basis (E). No monitoring (N) has been required if the current applicable rule or regulation does not require monitoring, and the operation is unlikely to deviate from the applicable emission limit based upon the nature of the operation.

Table VII-A
S-9, Utility Boiler No. 9
S-10, Utility Boiler No. 10

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQMD 6-301	N		Ringelmann No.1		C	COM
	BAAQMD 6-302	Y		< 20% opacity during any 3 min/hr	BAAQMD 1-520.1	C	COM
	BAAQMD 6-304	Y		Ringelmann No. 2 during tube cleaning		C	COM
	BAAQMD 6-310.3	Y		0.15 grains/dscf @ 6% O ₂		N	
	SIP 6-301	Y		Ringelmann No. 1		C	COM
	40 CFR 75	Y		None	40 CFR 75	C	COM
SO ₂	BAAQMD 9-1-301	N		GLC ¹ of 0.5 ppm for 3 minutes or 0.25 ppm for 60 minutes or 0.05 ppm for 24 hours		N	
	BAAQMD 9-1-302	Y		300 ppmvd		N	
	BAAQMD 9-1-304	Y		Sulfur content of non-gaseous fuel <0.5% by weight		N	

VII. Applicable Emission Limits & Compliance Monitoring Requirements (continued)

Table VII-A (continued)
S-9, Utility Boiler No. 9
S-10, Utility Boiler No. 10

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
SO ₂	SIP 9-1-301	Y		Federal std: GLC ¹ of 140 ppb, 24-hr average, once/yr and 30 ppb, annual average State std: GLC ¹ of 40 ppb, 24-hr average, and 250 ppb, 1 hr average		N	
	40 CFR 75	Y		None	40 CFR 75	P/D (fuel oil only)	Fuel analysis
NO _x	BAAQMD 9-3-301	N		175 ppmv @ 3% O ₂ (dry basis) for natural gas firing or 300 ppmv @ 3% O ₂ (dry basis) for oil firing based on a clock hour average		C	CEMS
	BAAQMD 9-3-302	N		heat input weighted average of emissions when natural gas and oil fired simultaneously		C	CEMS
	BAAQMD 9-11-302.1.1	Y		175 ppmv @ 3% O ₂ (dry basis) for natural gas firing based on a clock hour average	BAAQMD 9-11-501, 503	C	CEMS

VII. Applicable Emission Limits & Compliance Monitoring Requirements (continued)

Table VII-A (continued)
S-9, Utility Boiler No. 9
S-10, Utility Boiler No. 10

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
NO _x	BAAQMD 9-11-302.1.2	Y		300 ppmv @ 3% O ₂ (dry basis) for oil firing based on a clock hour average	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD 9-11-302.1.3	Y		heat input weighted average of emissions when natural gas and oil fired simultaneously	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD 9-11-308	Y		0.28 lbs/MMBTU system-wide average over previous 30 days	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD 9-11-309.1	N		0.160 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD 9-11-309.1	N	1/1/99	0.115 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD 9-11-309.1	N	1/1/00	0.105 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD 9-11-309.1	N	1/1/02	0.057 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD 9-11-309.1	N	1/1/04	0.037 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD 9-11-309.1	N	1/1/05	0.018 lbs/MMBTU system-wide average on a clock hour basis	BAAQMD 9-11-501, 503	C	CEMS
	40 CFR 75	Y		None	40 CFR 75	C	CEMS

VII. Applicable Emission Limits & Compliance Monitoring Requirements (continued)

Table VII-A (continued)
S-9, Utility Boiler No. 9
S-10, Utility Boiler No. 10

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
CO	BAAQMD 9-11-310.1	Y		400 ppmv @ 3% O ₂ (dry basis) during steady state compliance tests	BAAQMD 9-11-501, 503	C	CEMS
	BAAQMD 9-11-310.2	Y		1000 ppmv @ 3% O ₂ (dry basis) during normal operation based on a clock hour average	BAAQMD 9-11-501, 503	C	CEMS
Ammonia	BAAQMD 9-11-311	Y		10 ppmv @ 3% O ₂ (dry basis) based on rolling 60 minute average upon installation of an applicable control device	BAAQMD 9-11-402	P/Q	Quarterly tests
Lead	BAAQMD 11-1-301	Y		6.75 kg/day		N	N/A
	BAAQMD 11-1-302	Y		1.0 µg/m ³ averaged over 24 hours		N	N/A
CO ₂	40 CFR 75	Y		None	40 CFR 75	C	CEMS

VII. Applicable Emission Limits & Compliance Monitoring Requirements (continued)

**Table VII-B
S-20, Service Station**

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Regulation 8-7-301.2	Y		95% recovery of gasoline vapors		N	

**Table VII-C
S-31, Cold Cleaner
S-32, Cold Cleaner**

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-16-304	Y		Trichloroethylene usage \leq 3.2 gallons per day	8-16-501	P/E	Records

**Table VII-D
S-33, Maintenance Coating Operation**

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD Regulation 8-3-302	Y		content of air dried coating < 250 g/l	Regulation 8-3-403	P/E	Labeling & Records
	BAAQMD Regulation 8-3-304	Y		content of coatings < specified VOC content	Regulation 8-3-403	P/E	Labeling & Records
	BAAQMD Regulation 8-19-302	Y		content of air dried coating < 2.8 lbs/gal	Regulation 8-19-501	P/E	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements (continued)

Table VII-D (continued)
S-33, Maintenance Coating Operation

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
	BAAQMD Regulation 8-19-312	Y		content of coatings < specified VOC content	Regulation 8-19-501	P/E	Records
Coating Usage	BAAQMD Permit Condition 8854 part 1	Y		1100 gallons in any 12 consecutive months	BAAQMD Permit Condition 8854 part 3	P/E	Records
Solvent Usage	BAAQMD Permit Condition 8854 part 2	Y		400 gallons in any 12 consecutive months	BAAQMD Permit Condition 8854 part 3	P/E	Records

Table VII-E
S-34, Fixed Roof Oil Water surge Tank
S-35, API Separator
S-37, Dissolved Air Flotation (DAF)

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-8-112	Y	current	1.0 ppm critical organic compounds @ 68 °F	N/A	P/ Semi-annual	Sampling
Wastewater throughput	BAAQMD Permit Condition 7938 part 1	Y		32,000,000 gallons in any 12 consecutive months	BAAQMD Permit Condition 7938 part 3	P/E	Records

VII. Applicable Emission Limits & Compliance Monitoring Requirements (continued)

Wastewater r And Stormwater throughput	BAAQMD Permit Condition 7938 part 2	Y		90,000,000 gallons in any 12 consecutive months	BAAQMD Permit Condition 7938 part 3	P/E	Records
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**Table VII-F
S-40, Wipe Cleaning-Facility Wide**

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
VOC	BAAQMD 8-16-304	Y		Trichloroethylene usage \leq 3.2 gallons per day	8-16-501	P/E	Records
Solvent Usage	BAAQMD Permit Condition 8855 part 1	Y		100 gallons in any 12 consecutive months	BAAQMD Permit Condition 8855 part 3	P/E	Records
1,1,1 Trichloro- ethane	BAAQMD Permit Condition 8855 part 2	N		25 gallons in any 12 consecutive months	BAAQMD Permit Condition 8855 part 3	P/E	Records

**Table VII-G
S-100, Sand Blasting Facility**

Pollutant	Emission Limit Citation	FE Y/N	Future Effective Date	Emission Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TSP	BAAQMD Regulation 6-301	Y		Ringelmann less than 1 for more than 3 minutes	BAAQMD Cond #15870, part 1 and 2	P/every 5 events	Inspection

Facility Name: Pacific Gas & Electric Co.

Permit for Facility #: A0018

Expiration Date: September 14, 2003

ID: WNL

VII. Applicable Emission Limits & Compliance Monitoring Requirements
(continued)

	BAAQMD Regulation 6-310	Y		No emissions from source > 0.15 grains per dscf of gas volume	BAAQMD Cond #15870, part 1 and 2	P/every 5 events	Inspection
	SIP 6-301	Y		Ringelmann No. 1	BAAQMD Cond #15870, part 1 and 2	P/every 5 events	Inspection

VIII. TEST METHODS

The test methods associated with the emission limit of a District regulation are generally found in Section 600 of the regulation. The following table indicates only the test methods associated with the emission limits referenced in Section VIII - Applicable Emission Limits & Compliance Monitoring Requirements, of this permit.

Table VIII

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD Regulation 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume 1, Evaluation of Visible Emissions
BAAQMD Regulation 6-304	Tube Cleaning	Manual of Procedures, Volume 1, Evaluation of Visible Emissions
BAAQMD Regulation 6-310	Particulate Weight Limitation	Manual of Procedures, Volume IV, ST-15, Particulates Sampling
SIP Regulation 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume 1, Evaluation of Visible Emissions
BAAQMD 8-3-302	VOC Limits	Manual of Procedures, Volume III, Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings or Manual of Procedures, Volume III, Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings
BAAQMD 8-3-304	VOC Limits	Manual of Procedures, Volume III, Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings or Manual of Procedures, Volume III, Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings
BAAQMD 8-8-112	Wastewater (Oil-Water) Separators; Exemption Wastewater Critical Organic Compound Concentration And/Or Temperature	Manual Procedures, Volume III, Lab Method 33, Wastewater Analysis for Critical Organic Compounds

VIII. Test Methods (continued)

Table VIII (continued)

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD Regulation 8-19-302	VOC Limits	Manual of Procedures, Volume III, Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings or Manual of Procedures, Volume III, Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings Manual of Procedures, Volume IV, ST-7 or EPA Method 25 or 25A, Determination of Emissions of Volatile Organic Compounds If EPA Method 25 or 25A is used, control device equivalency (if applicable) is determined as prescribed in 55 FR 26865.
BAAQMD Regulation 8-19-312	VOC Limits	Manual of Procedures, Volume III, Method 21, Determination of Compliance of Volatile Organic Compounds for Water Reducible Coatings or Manual of Procedures, Volume III, Method 22, Determination of Compliance of Volatile Organic Compounds for Solvent Based Coatings Manual of Procedures, Volume IV, ST-7 or EPA Method 25 or 25A, Determination of Emissions of Volatile Organic Compounds If EPA Method 25 or 25A is used, control device equivalency (if applicable) is determined as prescribed in 55 FR 26865
BAAQMD Regulation 9-1-302	General Emission Limitation	Manual of Procedures, Volume IV, ST-19 A or B, Sampling and Analysis of Gas Streams; Manual of Procedures, Volume III, Method 10, Sulfur Content of Fuels
BAAQMD 9-1-304	Fuel Burning (Liquid and Solid Fuels)	Manual of Procedures, Volume III, Method 10, Determination of Sulfur in Fuel Oils.
BAAQMD 9-3-301	NOx Emissions for Units Rated at 1.75 billion BTU Per Hour or More	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide, ST-6

VIII. Test Methods (continued)

Table VIII (continued)

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 9-11-302	NOx Emissions from Utility Electric Power Generating Boilers, Interim Compliance NOx Emission Limits for Boilers with a Rated Heat Input Capacity Greater Than or Equal to 1.75 billion BTU/hour	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide, ST-6
BAAQMD 9-11-302.1.1	NOx Emissions from Utility Electric Power Generating Boilers, Gaseous Fuel	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide, ST-6
BAAQMD 9-11-302.1.2	NOx Emissions from Utility Electric Power Generating Boilers, Non-Gaseous Fuel	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide, ST-6
BAAQMD 9-11-302.1.3	NOx Emissions from Utility Electric Power Generating Boilers, Gaseous Fuel and Non-Gaseous Fuel	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide
BAAQMD 9-11-308	System-wide NOx Emission Rate Limit	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide
BAAQMD 9-11-309	Advanced Technology Alternative Emission Control Plan	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide
BAAQMD 9-11-309.1	System-wide NOx Emission Rate Limits	District Manual of Procedures, Volume IV, ST-13A, Determination of Nitrogen Oxides; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide
BAAQMD 9-11-310.1	CO Emission Limits During Steady-State Compliance Tests	District Manual of Procedures, Volume IV, ST-6, Determination of Carbon Monoxide; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide, ST-6,
BAAQMD 9-11-310.2	CO Emission Limits During Normal Operations	District Manual of Procedures, Volume IV, ST-6, Determination of Carbon Monoxide; ST-14, Determination of Oxygen; ST-5, Determination of Carbon Dioxide
BAAQMD 9-11-311	Ammonia Emission Limit for Boilers with a Rated Heat Input Capacity Greater Than or Equal to 250 million BTU/hour	District Manual of Procedures, Volume IV, ST-1B, EPA Method 350.3 and Determination of Ammonia, or alternative method approved by the APCO
BAAQMD 11-1-301	Hazardous Pollutants, Lead, Daily Emissions	District Manual of Procedures, Volume IV, ST-9, Determination of Daily Emission Limits

IX. ACID RAIN PERMIT

Title IV Acid Rain Permit

Effective January 1, 1998 through December 31, 2002

ISSUED TO:

**Pacific Gas and Electric Company
Contra Costa Power Facility
P.O. Box 249
Antioch, CA 94509**

FACILITY SITE LOCATION:

**3201 Wilbur Avenue
Antioch, CA 94509**

ISSUED BY:

<hr/>	<hr/>
Ellen Garvey, Executive Officer/ Air Pollution Control Officer	Date

Nature of Business

Type of Facility: Electric Generation
Primary SIC: 4911

DESIGNATED REPRESENTATIVE

Name: E. James Macias
Title: Senior Vice President and General Manager
Generation, Transmission, and Supply
Phone: (415) 973-1441

FACILITY CONTACT PERSON:

Name: Mae Go
Title: Environmental Coordinator
Phone: (925) 779-6541

IX. Acid Rain Permit (continued)

ACID RAIN PERMIT CONTENTS

- 1) Statement of Basis
- 2) SO₂ allowance allocated under this permit and NO_x requirements for each affected unit.
- 3) Comments, notes and justifications regarding permit decisions and changes made to the permit application forms during the review process, and any additional requirements of conditions.
- 4) The permit application submitted for this source. The owners and operators of the source must comply with the standard requirements and special provisions set forth in the application.

1) STATEMENT OF BASIS

Statutory and regulatory Authorities: In accordance with District Regulation 2, Rule 7 and Titles IV and V of the Clean Air Act, the Bay Area Air Quality Management District issues this permit pursuant District Rule Regulation 2, Rule 7.

2) SO₂ ALLOWANCE ALLOCATIONS

	Year	1998	1999	2000	2001	2002
BOILER 9 BAAQMD S-9	SO ₂ allowances under Tables 2, 3, or 4 of 40 CFR Part 73	NA	NA	356*	356*	356*
	NO _x Limit	This unit is not subject to the NO _x requirements from 40 CFR Part 76 as this unit is not capable of firing on coal.				

	Year	1998	1999	2000	2001	2002
BOILER 10 BAAQMD S-10	SO ₂ allowances under Tables 2, 3, or 4 of 40 CFR Part 73	NA	NA	4252*	4252*	4252*
	NO _x Limit	This unit is not subject to the NO _x requirements from 40 CFR Part 76 as this unit is not capable of firing on coal.				

* The number of allowances allocated to Phase II affected units by USEPA may change in a 1998 revision to 40 CFR part 73 Tables 2, 3, and 4. In addition, the number of allowances actually

IX. Acid Rain Permit (continued)

held by an affected source in a unit account may differ from the number allocated by USEPA. Neither of the aforementioned conditions necessitate a revision to the unit SO₂ allowance allocations identified in this permit.

3) COMMENTS, NOTES AND JUSTIFICATIONS

None

4) PERMIT APPLICATION

Attached

X. GLOSSARY

BAAQMD

Bay Area Air Quality Management District

BACT

Best Available Control Technology

CAA

The federal Clean Air Act

CAAQS

California Ambient Air Quality Standards

CEQA

California Environmental Quality Act

CFR

The Code of Federal Regulations. 40 CFR contains the implementing regulations for federal environmental statutes such as the Clean Air Act. Parts 50-99 of 40 CFR contain the requirements for air pollution programs.

CO

Carbon Monoxide

Cumulative Increase

The sum of permitted emissions from each new or modified source since a specified date. Used to determine whether threshold-based requirements are triggered.

District

The Bay Area Air Quality Management District

EPA

The federal Environmental Protection Agency.

Excluded

Not subject to any District Regulations.

Federally Enforceable, FE

All limitations and conditions which are enforceable by the Administrator of the EPA including those requirements developed pursuant to 40 CFR Part 51, subpart I (NSR), Part 52.21 (PSD), Part 60, (NSPS), Part 61, (NESHAPS), Part 63 (HAP), and Part 72 (Permits Regulation, Acid Rain), and also including limitations and conditions contained in operating permits issued under an EPA-approved program that has been incorporated into the SIP.

HAP

Hazardous Air Pollutant. Any pollutant listed pursuant to Section 112(b) of the Act. Also refers to the program mandated by Title I, Section 112, of the Act and implemented by both 40 CFR Part 63, and District Regulation 2, Rule 5.

X. Glossary (continued)

Major Facility

A facility with potential emissions of regulated air pollutants greater than or equal to 100 tons per year, greater than or equal to 10 tons per year of any single hazardous air pollutant, and/or greater than or equal to 25 tons per year of any combination of hazardous air pollutants, or such lesser quantity as determined by the EPA administrator.

MFR

Major Facility Review. The District's term for the federal operating permit program mandated by Title V of the Act and implemented by District Regulation 2, Rule 6.

MOP

The District's Manual of Procedures.

NAAQS

National Ambient Air Quality Standards

NESHAPS

National Emission Standards for Hazardous Air Pollutants. Contained in 40 CFR Part 61.

NMHC

Non-methane Hydrocarbons

NO_x

Oxides of nitrogen.

NSPS

Standards of Performance for New Stationary Sources. Federal standards for emissions from new stationary sources. Mandated by Title I, Section 111 of the Act, and implemented by both 40 CFR Part 60 and District Regulation 10.

NSR

New Source Review. A federal program for preconstruction review and permitting of new and modified sources of air pollutants for which the District is classified "non-attainment". Mandated by Title I of the Clean Air Act and implemented by 40 CFR Parts 51 and 52 as well as District Regulation 2, Rule 2. (Note: There are additional NSR requirements mandated by the California Clean Air Act.)

Offset Requirement

A New Source Review requirement to provide federally enforceable emission offsets at a specified ratio for the emissions from a new or modified source and any pre-existing cumulative increase minus any onsite contemporaneous emission reduction credits. Applies to emissions of POC, NO_x, PM₁₀, and SO₂.

Phase II Acid Rain Facility

A facility that generates electricity for sale through fossil-fuel combustion and by virtue of certain other characteristics (defined in Regulation 2, Rule 6) is subject to Titles IV and V of the Clean Air Act.

POC

Precursor Organic Compounds

PM

Total Particulate Matter

X. Glossary (continued)

PM10

Particulate matter with aerodynamic equivalent diameter of less than or equal to 10 microns

PSD

Prevention of Significant Deterioration. A federal program for permitting new and modified sources of air pollutants for which the District is classified "attainment" of the National Air Ambient Quality Standards. Mandated by Title I of the Act and implemented by both 40 CFR Part 52 and District Regulation 2, Rule 2.

SIP

State Implementation Plan. State and District programs and regulations approved by EPA and developed in order to attain the National Ambient Air Quality Standards. Mandated by Title I of the Act.

SO2

Sulfur dioxide

Title V

Title V of the federal Clean Air Act. Requires a federally enforceable operating permit program for major and certain other facilities.

TSP

Total Suspended Particulate

VOC

Volatile Organic Compounds

Units of Measure:

bhp	=	brake-horsepower
Btu	=	British Thermal Unit
g	=	grams
gal	=	gallon
hp	=	horsepower
hr	=	hour
lb	=	pound
in	=	inches
max	=	maximum
m ²	=	square meter
min	=	minute
MM	=	million
ppmv	=	parts per million, by volume
ppmw	=	parts per million, by weight
psia	=	pounds per square inch, absolute
psig	=	pounds per square inch, gauge
scfm	=	standard cubic feet per minute
yr	=	year

Facility Name: Pacific Gas & Electric Co.
Permit for Facility #: A0018
Expiration Date: September 14, 2003
ID: WNL

XI. APPENDIX A - APPLICABLE STATE IMPLEMENTATION PLAN

See Attachments